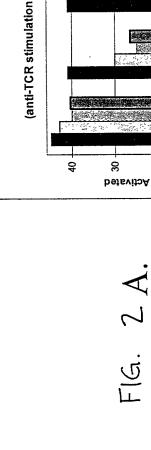
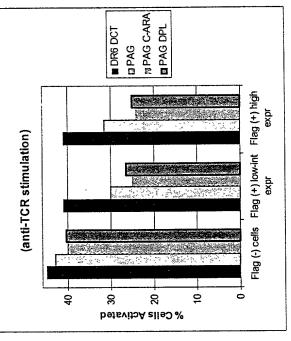


F19. 1

Enhanced inhibition of NFAT by PAG with mutation of its PDZ-binding motif





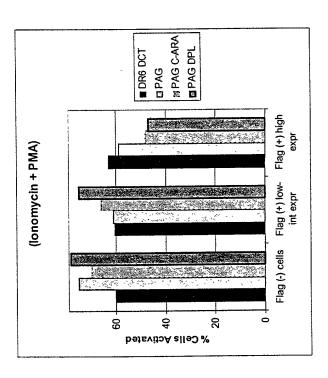
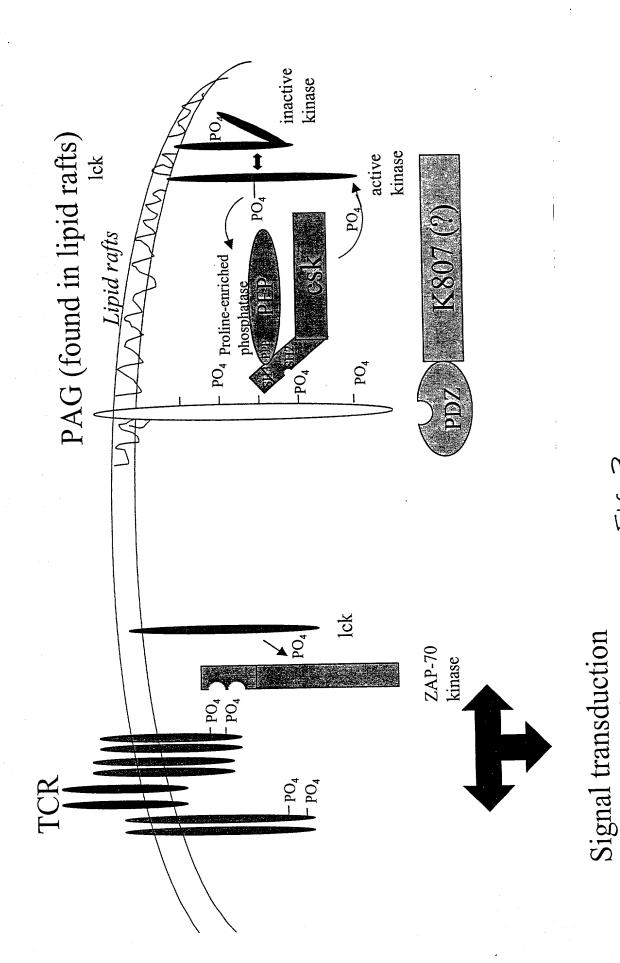
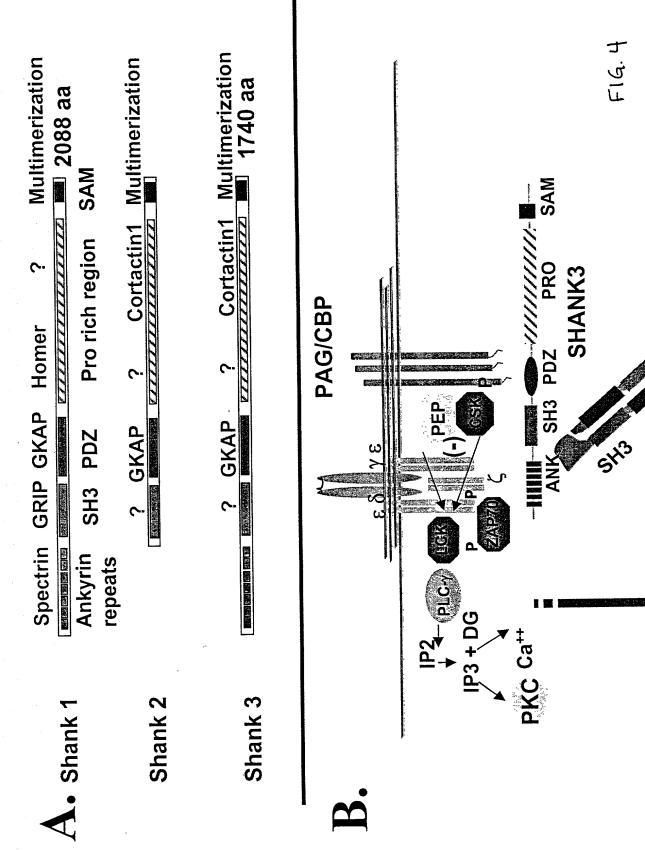


FIG. 2B.



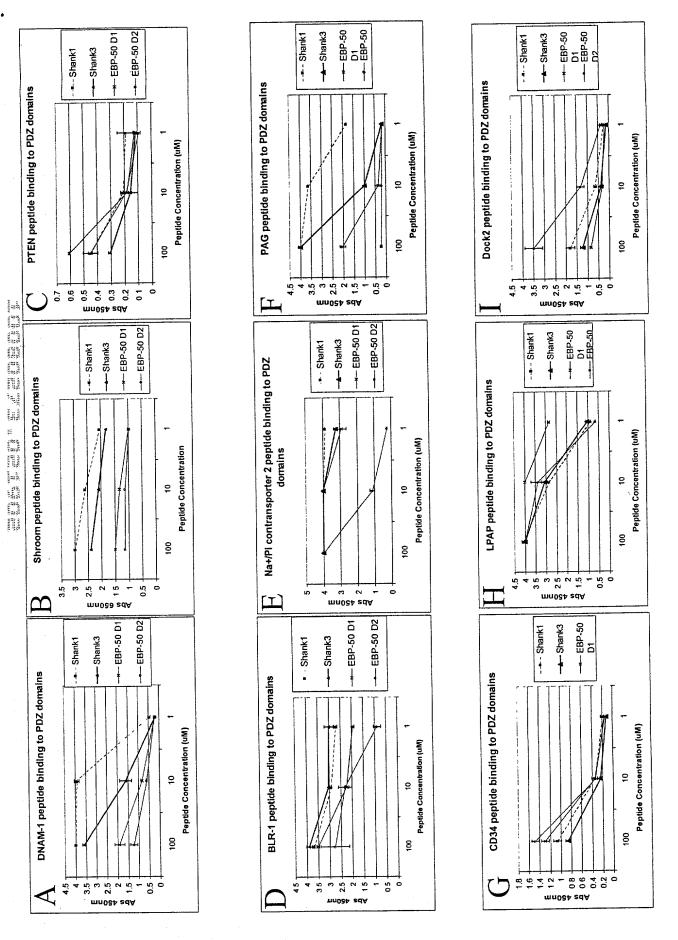
F16.3

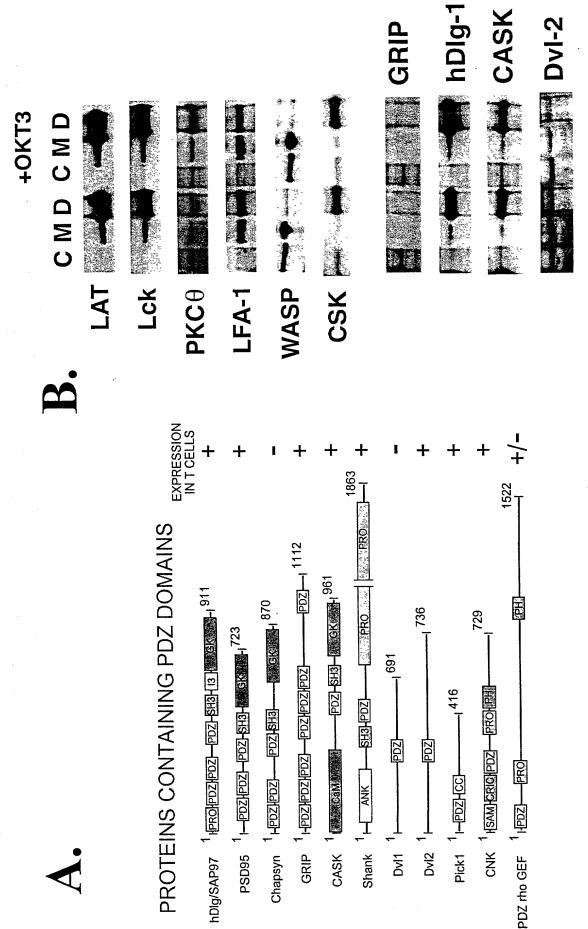


% % % % % & E-ACTIN

α Fodrin &

(SPECTRIN)

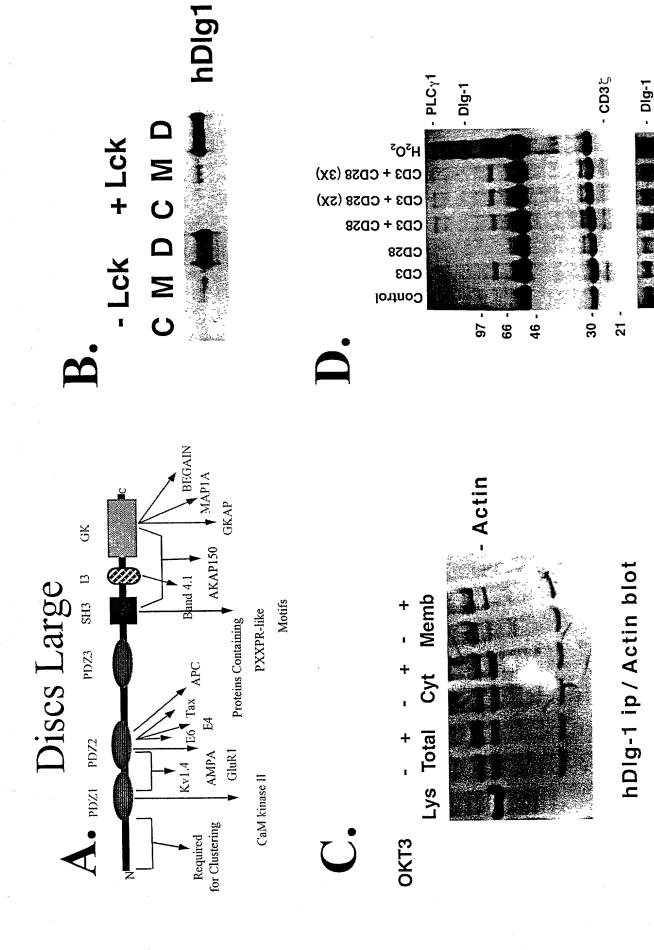




F1G. 6

IQGAP

GADS



F1G.7

#### Bound Cbl

### hDlg fusions



Total Cbl

F1G. B

Multiple
Domains of
Dlg are
Required for
Interaction
with Cbl

**∠PDZ1-3** 

hDlg1

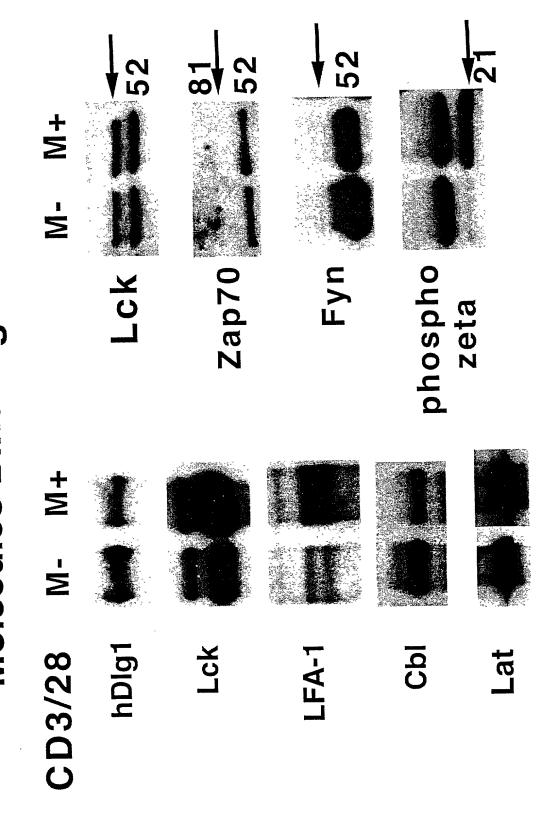
**2H3IGK** 

NPDZ1-3

PDZ1-3

NCK

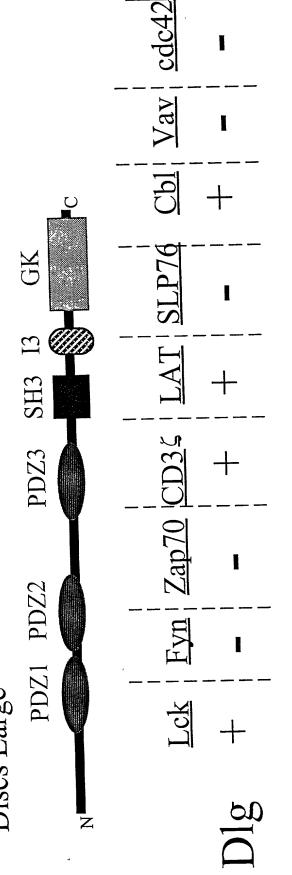
#### Many Important Signaling and Adhesion Molecules Bind Dlg in T cells



lp: Dlg; Blot: Abs Indicated

# Discs Large Interaction Partners

Discs Large



 $A2-\alpha$ 

FA-1 | B3 int

[p12]

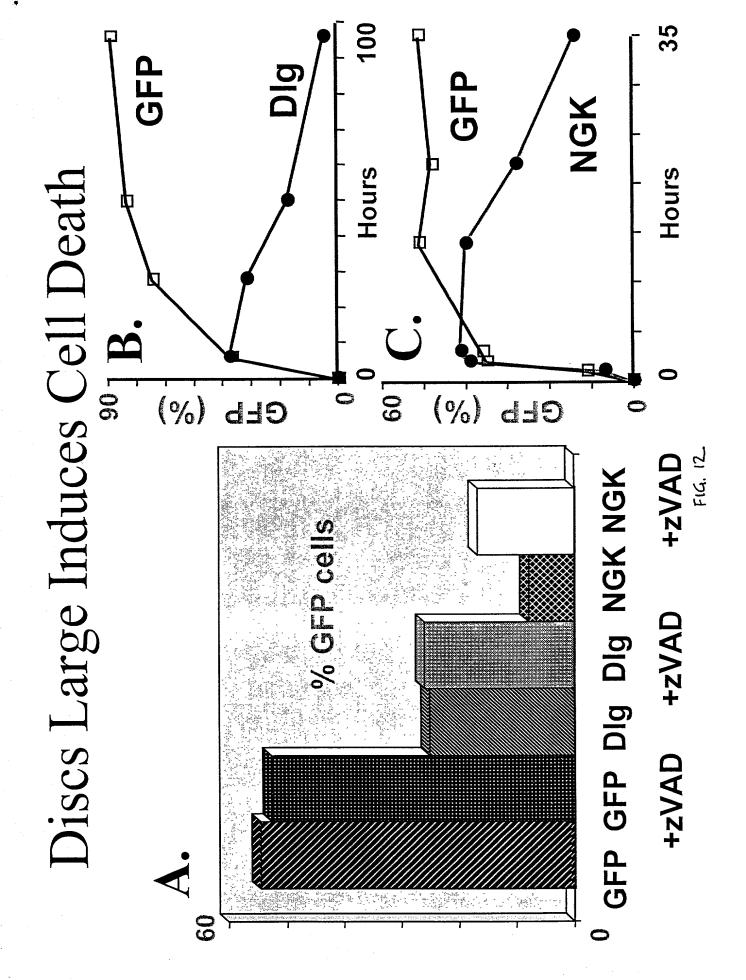
GADS

14-3-3

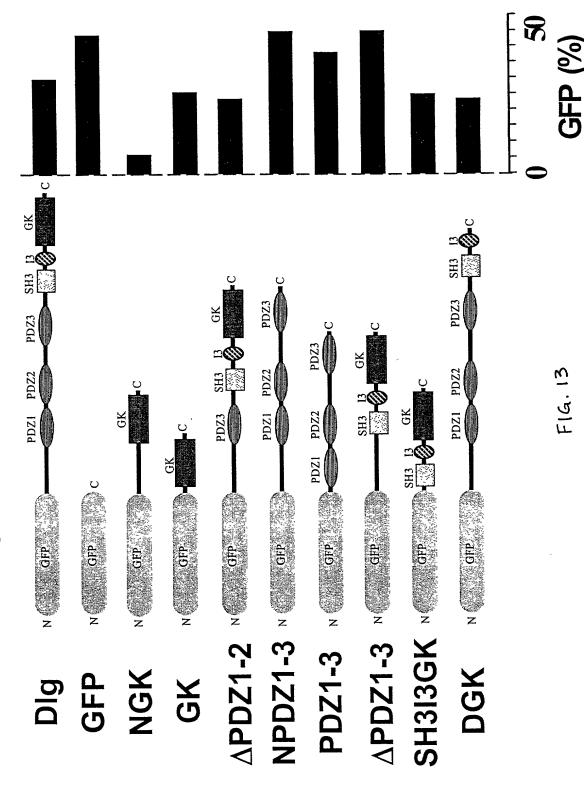
F1G. 10

#### Lck CD3 LAT Cbl Gross Mapping of Interactions

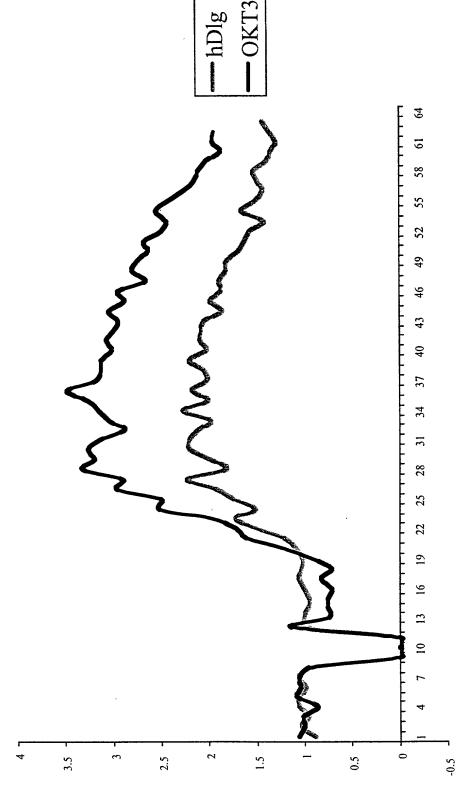
			<b>)</b>		
<b>BIO</b>	CHP CHP CHPZ RDZ3 SHB 13 GK	+	+	+	+
GFP N	Cf.:	I			
NGK		+	+		     
	(研) (研) (研) (研) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T		1		I
DIg(1-218)	MOZI (GR) (CR) (CR) (CR) (CR) (CR) (CR) (CR) (C	+		+/-	
NPDZ1-®	(4P) PDZI PDZZ PDZ3	<del> </del>			I
PDZ1-3N	Grap Control (Control		1	<b>i</b>	     
SH3I3GK	Star 13 GK	•			+



## Anatomy of the Death Response



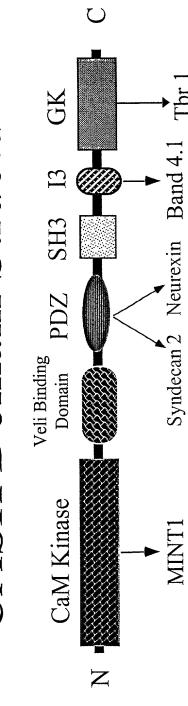
hDlg Attenuates Ca++ Mobilization

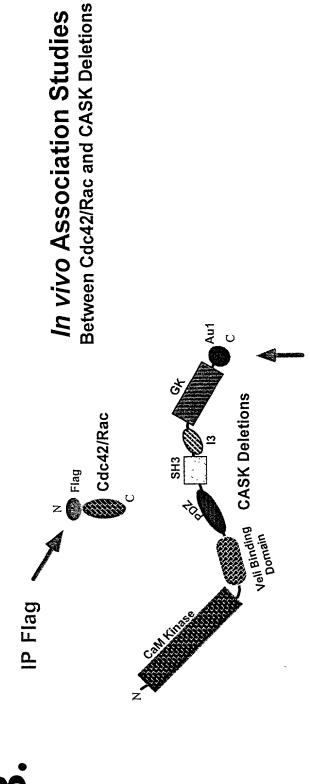


Time in Seconds / 8

FIG. 14

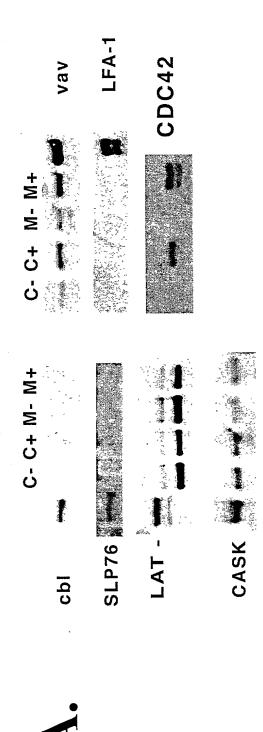
# CASK Domain Structure



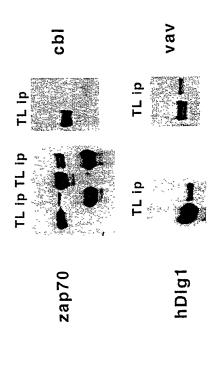


Blot for Au1 FIG. 15

### CASK interactions in Jurkat cells



#### CASK interactions in 293T cells



Aut-cask

F1G. 16

#### of Signaling Molecules with CASK Activation-Dependent Association

OKT3 0' 3' 7' 10

Blot Ab:

4G10

ip: CASK



PKC ⊕ Zap70

71d. 17

IP: Cdc42/Rac Blot: CASK Deletions

Rac	‡ +	' + + +	' + ‡ +
RacG12V ++ +	‡ +	' + + +	+ + + + + + + + + + + + + + + + + + +
Cdc42  CaM Kinase Veli Binding PDZ SH3 13 GK ++	+ +		

IP: Cdc42

Blot: CASK Deletions

**DD** 

Blot: CASK

DD3

DDS

606-L69

606-18G

606-18t

321-909

606-L

75E-1

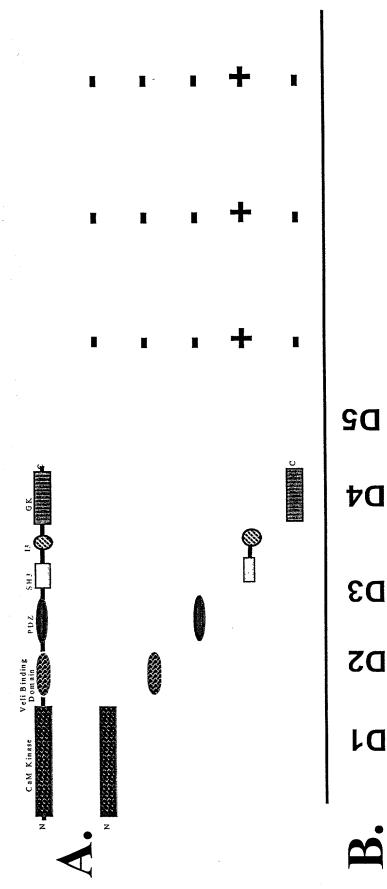
609-L

009-L

606-L

F14. 19

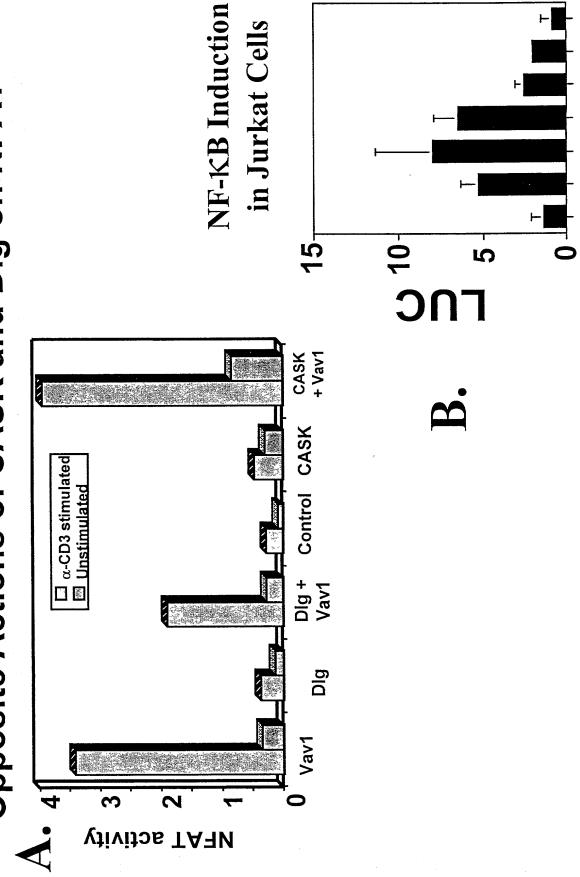
## Cdc42 RacG12V RacT17N



Blot: CASK Domains IP: RacG12V

F19.20

# Opposite Actions of CASK and Dlg on NFAT

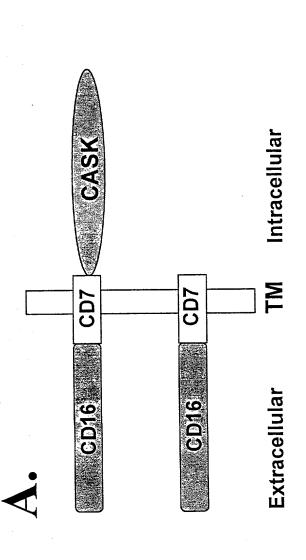


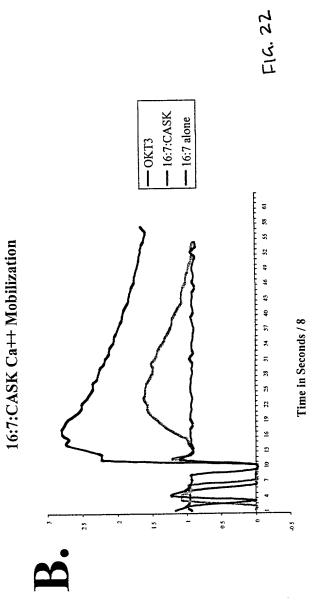
gh

F19.21

DIg

CASK

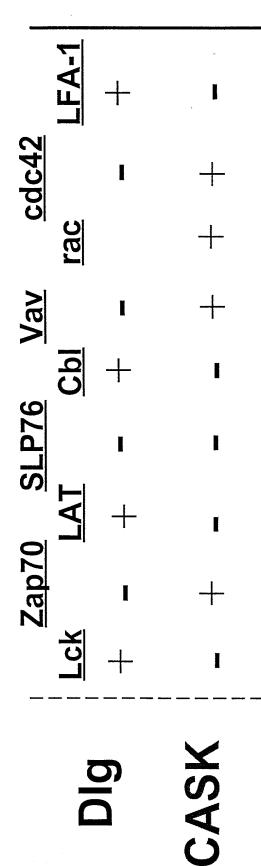




## Dlg and CASK Binding Patterns

#### **Discs Large**





#### CASK



FIG. 23